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Application No. 1987-0000000000
Amat. Dated August 11, 1987
Reply to Office Action of April 4, 1987
Pocket No. 1987-1149

REMARKS/ARGUMENTS

Withdrawal of the restriction requirement is respectfully requested for the following reasons.

The Official Action suggests that the inventions identified in connection with groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features. In support of this, the Official Action identifies in connection with Group I an element that is not recited in Groups II and III.

As noted in MPEP §1893.03(d), "A group of inventions is considered linked to form a single general inventive concept where there is a technical relationship among the inventions that involves at least one common or corresponding special technical feature."

At the very least, Groups I-III are linked to form a single general inventive concept, in so far as the claims of Group I recite a nonwoven fabric that includes a surface for fastening the male component of a hook and loop fastener system, the claims of Group II recite needling a fibrous web to obtain a dense material that has a loop-free open structure suitable for use as a component of a hook and loop fastener system, and the claims of Group III recite a hook and loop fastener system that includes a female component and a male component. It is suggested

Application No. 1001-1148
Amst. Dated August 16, 1988
Reply to Office Action of April 4, 1988
Pocket No. 1001-1148

that the special technical feature of a hook and loop fastener system is common to Groups I and II and at least a loop-free structure that is suitable for the male component of a hook and loop fastener to fasten thereto is common to at least Groups I and II as originally recited and that has been added to claim 33 of Group III to more clearly recite the common special technical feature. Accordingly, reconsideration and withdrawal of the restriction and examination of all the claims is respectfully requested.

Claims 22-43 were previously pending in the application. Claim 42 is canceled, leaving claims 22-41 and 43 for consideration.

The cancellation of claim 42 is believed to address the claim objection noted in the Official Action.

The Information Disclosure Statement submitted on August 21, 2001 included a copy of each of 14 references as evidenced by a copy of the date-stamped postcard receipt submitted herewith. However, to ensure that these references are noted on the face of any patent that may issue in connection with the present application, applicant resubmits references AH-AP and respectfully requests that the same be considered.

Claims 11, 12, 13, 14, and 15 are related as being anticipated by claims 4, 10, 11, and claims 14, 15, and 16 are

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Filed: April 4, 1998
Priority: Office Action of April 4, 1998
Examiner: M. J. [illegible]

rejected as being unpatentable over LEVINE in view of POKER
1,414,344.

Reconsideration and withdrawal of the rejections are
respectfully requested because the references do not disclose or
suggest, alone or in combination, that a nonwoven fabric includes
a surface for fastening the male component of a hook and loop
fastener system that has a loop-free open structure suitable for
the male component of the hook and loop fastener to fasten
thereto, as recited in claim 22 of the present application.

By way of example, page 2, lines 17-26 of the present
application disclose that an object of the present application is
a fastener device that consists of a nonwoven fabric comprised of
a carded fibrous web of functional polymer fibers and binding
fibers that are bound together mechanically by needling.
Additional bindings affected by partially melting the binder
fibers. This results in a relatively dense material that has a
sufficiently open structure to enable the male component of a hook
and loop fastener system to fasten therein. The fastener device
is also sufficiently stable to prevent the fibers from being torn
away from the surface as the hook component of the fastener is
released. It is also sufficiently stable for the hook component
of the fastener to be inserted, released from the fastener and
only removed away while there is.

Accordingly, in order to form a nonwoven fabric that enables the male component of a hook and loop system to fasten therein, binder fibers are needled to functional polymer fibers and the binder fibres are partially melted.

LeVAN is directed to stretchable batts or batting for use in apparel. Batting comprises layering fibers, or more specifically, cotton, wool or synthetic fiber is wadded into rolls or sheets as defined by the American Heritage Dictionary of the English Language, 4th Ed.

LeVAN at column 3, lines 55-63, for example, disclose that batts may be formed using binder fibers or by needle-punching, not a combination of the two. LeVAN further discloses at column 4, lines 66 through column 5, line 2, that any heating step is performed at a temperature that does not melt or otherwise degrade the fibers. Accordingly, LeVAN discloses cross-lapped or cross-laid webs that form a batting that is stretchable in both a machine direction and the cross direction that is suitable in apparel such as gloves and stretch pants. Such gloves and stretch pants do not have a loop-free open structure suitable for the male component of a hook and loop fastener to fasten thereto, as recited in claim 22 of the present application.

FIG. 1A illustrates a batting that is made of a knit material. The batting may be used in a variety of applications including bedding materials and mattress pads, quilts,

Application No. 09-086,811
Amend. Dated August 16, 1993
Reply to Office Action of April 4, 1993
Sheet No. 1811-1149

comforters and duvets. KWOK does not disclose or suggest a loop-free open structure suitable for the male component of a hook and loop fastener to fasten thereto, as recited in claim 11 of the present application.

The above-noted feature is missing from each of the references, is absent from the combination, and thus is not obvious to one having ordinary skill in the art.

Further, column 3, lines 36-40 of KWOK teaches that the preferred embodiment includes spraying the batt with a resin to bond the batt. Column 5, lines 6-17 of LeVAN also teaches using a resin product by spraying to add force to recovery and minimize elongation or permanent stretch. Accordingly, the cited references do not teach an open structure and in fact teach away from an open structure by teaching a structure that uses a resin to bond the fibers.

In view of the present amendment and the foregoing remarks, it is believed that the present application has been placed in condition for allowance. Reconsideration and allowance are respectfully requested.

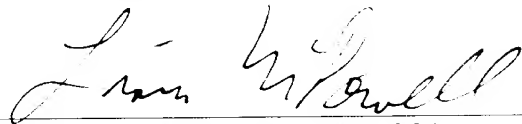
Should there be any matters that need to be resolved in the present application, the Examiner is respectfully requested to contact the undersigned at the telephone number shown below.

Application No. 44,231
Exam. dated August 12, 1954
Reply to Office Action dated April 4, 1954
Dated May 18, 1954

The Commissioner is hereby authorized to issue, amendment, and future replies, to charge payment or credit any overpayment to Deposit Account No. 15-0110 for any additional fee required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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LW:mjr

Application No. 19-480, 411
Adm'r. Dated August 16, 1913
Reply to Office Bureau of March 4, 1913
Check No. 1801-1149

APPENDIX:

The Appendix includes the following items :

- copy of date-stamped postcard receipt
- FTO Form 1449 listing references AH-AP with
copies of 9 references